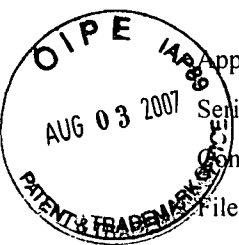


IN THE UNITED STATES PATENT AND TRADEMARK OFFICE



Applicant: Richard I. Masel et al.
Serial No.: 10/578,055
Conf. No.: 4911
Filed: July 27, 2006
For: FORMIC ACID FUEL CELLS AND CATALYSTS
Art Unit: 1745
Examiner: Unknown

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July 31, 2007

Date

Tom R. Fitzsimons
Attorney for Applicant(s)
Registration No. 40,607

INFORMATION DISCLOSURE STATEMENT

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

This IDS is submitted under 37 C.F.R. §1.97(b) within any of the following time periods, whichever occurs last:

- (a) within three months of either the filing date of the application or the date of entry into the national stage; or
- (b) before the mailing date of First Office Action on the merits (i.e., not including actions such as restriction requirements); or
- (c) before the mailing of a First Office Action after the filing of a Request for Continuing Examination.

Applicant(s) submit herewith Form PTO-1449 (Information Disclosure Citation) together with copies of foreign patents, publications or other information of which applicant(s) are aware, which applicant(s) believe may be material to the examination of this application and for which there may be a duty to disclose in accordance with 37 C.F.R. §1.56. Applicant(s) respectfully submit that the citation of any reference on Form PTO-1449 does not constitute an admission that the reference qualifies as prior art.

It is requested that the information disclosed on the enclosed Form PTO-1449 be made of record in this application.

Copies of the all cited references can be found in application Serial No. 10/817,361, filed April 2, 2004; application Serial No. 10/407,385 now U.S. Patent No. 7,132,188; and in application Serial No. 10/664,772; which the present applications claim priority on (see, 37 C.F.R. §1.98(d)) except for the following references: GB1292791 and GB1273045 and 6,485,851 which are provided herewith.

The Commissioner is hereby authorized to charge any additional fees which may be required to this application under 37 C.F.R. §§1.16-1.17, or to credit any overpayment, to Deposit Account No. 07-2069. A duplicate copy of this sheet is enclosed.

Respectfully submitted,

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Thomas R. Fitzsimons, Reg. No. 40,607

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Receipt date: 08/03/2007

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(Rev. 8-88) Patent and Trademark Office

Attorney Docket No.: 1201.68586

Serial No.: 10/578,055

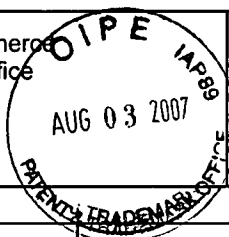
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Applicant: Richard I. Masel et al.

Filing Date: May 2, 2006

Group: 1745

U.S. PATENT DOCUMENTS



Examiner Initial*	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
	3,198,666	08/03/1965	G. Gruneberg et al.			
	3,297,487	01/10/1967	Pomeroy et al.			
	3,506,494	04/14/1970	Adlhart			
	3,711,385	01/16/1973	Beer			
	4,039,409	08/02/1977	LaConti et al.			
	4,081,409	03/28/1978	McNicol et al.			
	4,127,468	11/28/1978	Alfenaar et al.			
	4,431,750	02/14/1984	McGinnis et al.			
	4,447,506	05/08/1984	Luczak et al.			
	4,457,823	07/03/1984	LaConti et al.			
	4,457,986	07/03/1984	Bindra et al.			
	4,478,917	10/23/1984	Fujita et al.			
	4,797,380	01/10/1989	Motoo et al.			
	4,806,515	02/21/1989	Luczak et al.			
	4,822,699	04/18/1989	Wan et al.			
	4,493,878	01/15/1985	Horiba et al.			
	5,004,424	04/02/1991	Larminie			
	5,024,905	06/18/1991	Itoh et al.			
	5,096,866	03/17/1992	Itoh et al.			
	5,183,713	02/02/1993	Kunz			
	5,208,207	5/04/1993	Stonehart et al.			
	5,225,391	07/06/1993	Stonehart et al.			
	5,246,791	09/21/1993	Fisher et al.			
	5,364,711	11/15/1994	Yamada et al.			
	5,393,619	02/28/1995	Mayer et al.			
	5,599,637	02/04/1997	Surampudi et al.			
	5,599,638	02/04/1997	Surampudi et al.			
	5,773,162	06/30/1998	Surampudi et al.			
	5,856,036	01/05/1999	Smotkin et al.			
	5,885,729	03/23/1999	Marchetti			
	5,904,740	05/18/1999	Davis et al.			
	6,007,934	12/28/1999	Auer et al.			

FOREIGN PATENT DOCUMENTS

	Document Number	Date	Country	Class	Subclass	Translation	
						Yes	No
	JP-01227361A	March 7, 1988	Japan			Abs.	
	1292791	Oct. 11, 1972	Great Britain				
	1273045	May 3, 1972	Great Britain				

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

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Sheet 2 of 6

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INFORMATION DISCLOSURE CITATION
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U.S. PATENT DOCUMENTS

Examiner Initial*	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
	6,020,083	02/01/2000	Breault et al.			
	6,146,782	11/14/2000	Wendt et al.			
	6,165,635	12/26/2000	Auer et al.			
	6,248,460	06/19/2001	Surampudi et al.			
	6,284,402	09/04/2001	Mallouk et al.			
	6,326,098	12/04/2001	Itoh et al.			
	6,387,557	05/14/2002	Krasij et al.			
	6,432,284	08/13/2002	Narayanan et al.			
	6,447,941	09/10/2002	Tomimatsu et al.			
	6,458,479	10/01/2002	Ren et al.			
	6,492,147	12/10/2002	Imamura et al.			
	6,492,052	12/10/2002	Ren			
	6,495,278	10/01/2002	Schmid et al.			
	6,498,121	12/24/2002	Gorer			
	6,517,965	02/11/2003	Gorer			
	6,533,827	04/19/2003	Cisar et al.			
	6,649,300	11/18/2003	Ito et al.			
	6,660,680	12/09/2003	Hampden-Smith et al.			
	6,670,301	12/30/2003	Adzic et al.			
	6,686,308	02/03/2004	Mao et al.			
	6,723,678	04/20/2004	Gorer			
	6,770,394	08/03/2004	Appleby et al.			
	6,924,055	08/02/2005	Hirsch et al.			

FOREIGN PATENT DOCUMENTS

	Document Number	Date	Country	Class	Subclass	Translation	
						Yes	No

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	Papageorgopoulos, D. et al.; "CO Tolerance of Pd Rich Platinum Paladium Carbon Supported Electrocatalysts fro PEMFC Applications", <i>Journal of the Electrochemical Society</i> , in press, August 2002, pp. 1-22.
	Adzic, R. et al.: "Structural Effects in Electrocatalysis", <i>J. Electroanal. Chem.</i> , 1983, pp. 79-88.
	Avramov-Ivic, M. et al.; "The electrocatalytic properties of the oxides of noble metals in the electrooxidaton of methanol and formic acid", <i>Electrochimica Acta</i> , 2001, pp. 3175-3180
	Baldauf, M. et al.; "Formic Acid Oxidation on Ultrathin Pd Films on Au(hkl) and Pt(hkl) Electrodes", <i>J. Phys. Chem.</i> , 1996, pp. 11375-11381.
	Becerik, I. et al.; "Electro-oxidation of Formic Acid on Highly Dispersed Platinum and Perchlorate Doped Polypyrrole Electrodes", <i>Journal of The Electrochemical Society</i> , 2001, pp. D49-D54.
	Capon, A. et al.; "The Effect of Strong Acid on the Reactions of Hydrogen And Oxygen on the Noble Metals a Study Using Cyclic Voltammetry and a New Teflon Electrode Holder", <i>Electroanalytical Chemistry and Interfacial Electrochemistry</i> , 1972, pp. 275-286.

Examiner	/Monique Wills/ (01/22/2010)	Date Considered	01/22/2010
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U.S. PATENT DOCUMENTS							
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	2004/0115518	06/17/2004	Masel et al.				
	2003/0170508	09/11/2003	Beckmann et al.				
	6,485,851	11/26/2002	Narayanan et al.				
FOREIGN PATENT DOCUMENTS							
	Document Number	Date	Country	Class	Subclass	Translation	
						Yes	No
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)							
	Capon, A. et al.; "The Oxidation of Formic Acid on Noble Metal Electrodes II. A Comparison Of the Behaviour of Pure Electrodes", <i>Electroanalytical Chemistry and Interfacial Electrochemistry</i> , 1973, pp. 239-254.						
	Capon, A. et al.; "The Oxidation of Formic Acid on Noble Metal Electrodes III. Intermediates and Mechanism on Platinum Electrodes", <i>Electroanalytical Chemistry and Interfacial Electrochemistry</i> , 1973, pp. 205-231.						
	Capon, A. et al.; "The Oxidation of Formic Acid on Noble Metal Electrodes IV. Platinum and Palladium Electrodes", <i>Electroanalytical Chemistry and Interfacial Electrochemistry</i> , 1975, pp. 285-305.						
	Chi, N. et al.; "Electrocatalytic oxidation of formic acid by Pt/Co nanoparticles", <i>Catalysis Letters</i> Vol. 71, No. 1-2, 2001, pp. 21-26.						
	Clavilier, J. et al.; "Heterogeneous electrocatalysis on well defined platinum surfaces modified by controlled amounts of irreversibly absorbed adatoms", Part I: Formic Acid Oxidation on the Pt (III) -Bi system. <i>J. Electroanal. Chem.</i> , 1989, pp. 89-100.						
	Climent, V. et al.; "Electrocatalysis of formic acid and CO oxidation on antimony-modified Pt(111) electrodes", <i>Electrochimica Chemistry</i> , 1993, pp. 1403-1414.						
	El-Shafei, A. et al.; "Electrocatalytic oxidation of formic acid on Pt binary and ternary electrodes in H ₃ PO ₄ ", <i>Journal of Electroanalytical Chemistry</i> , 1993, pp. 159-165.						
	El-Shafei, A.; "Study of nickel upd at a polycrystalline Pt electrode and its influence on HCOOH oxidation in acidic and nearly neutral media", <i>Journal of electroanalytical Chemistry</i> , 1998, pp. 81-89.						
	Fernandez-Vega, A. et al.; "Heterogeneous electrocatalysis on well defined platinum surfaces modified by controlled amounts of irreversibly absorbed adatoms", Part II: Formic Acid Oxidation on the Pt (100) Sb system. <i>J. Electroanal. Chem.</i> , 1989, pp. 101-113.						
	Gonzalez, M.J. et al.; "Electrocatalytic Oxidation of Small Carbohydrate Fuels at Pt-Sn Modified Electrodes", <i>J. Phys. Chem.</i> 1998, pp. 9881-9890.						
	Ha, S. et al.; "A miniature air breathing direct formic acid fuel cell", <i>Journal of Power Sources</i> , 2004, pp. 119-124						
	Ha, S. et al.; "Methanol conditioning for improved performance of formic acid fuel cells", <i>Journal of Power Sources</i> , 2002, pp. 655-659.						
	Harmsen, J. et al.; "Kinetic modeling for wet air oxidation of formic acid on a carbon supported platinum catalyst", <i>Applied Catalysis</i> , 1997, pp. 499-509.						
	Hartung, T. et al.; "Catalytic Effects of Hg an Ti Submonolayers on the Electrooxidation of Formic Acid on Pt", <i>J. Electroanal. Chem.</i> , 1986, pp. 135-149.						
	Herrero, E. et al.; "Oxidation of formic acid on Pt(111) electrodes modified by irreversibly absorbed tellurium", <i>Journal of Electroanalytical Chemistry</i> , 1995, pp. 161-167.						
	Herrero, E. et al.; "Oxidation of formic acid on Pt(100) electrodes modified by irreversibly absorbed tellurium", <i>Journal of Electroanalytical Chemistry</i> , 1995, pp. 145-154.						
	Jiang, J. et al.; "Nanostructured platinum as an electrocatalyst for the electrooxidation of formic acid", <i>Journal of Electroanalytical Chemistry</i> , 2002, pp. 64-70.						
Examiner	/Monique Wills/ (01/22/2010)			Date Considered 01/22/2010			
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FOREIGN PATENT DOCUMENTS							
	Document Number	Date	Country	Class	Subclass	Translation	
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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)							
	Beden, B. et al.; "Electrocatalytic Activity of Noble Metals for the Oxidation of Formate in Neutral Medium", <i>J. Electroanal. Chem.</i> , 1979, pp. 127-131.						
	Llorca, M. et al.; "Formic acid oxidation on Pd _{ad} + Pt(100) and Pd _{ad} + Pt(111) electrodes", <i>Journal of Electroanalytical Chemistry</i> , 1994, pp. 151-160.						
	Llorca, M. et al.; "Formic acid oxidation on Pt(111) electrodes modified by irreversibly absorbed selenium", <i>Journal of electroanalytical Chemistry</i> , 1994, pp. 217-225.						
	McGovern, M. et al.; "Effects of Nafion as a binding agent for unsupported nanoparticle catalysts", <i>Journal of Power Sources</i> , 2003, pp. 35-39.						
	Shen, P. et al.; "Performance of CO-electrodeposited Pt-Ru/WO ₃ electrodes for the electrooxidation of formic acid at room temperature", <i>Journal of Electroanalytical Chemistry</i> , 1995, pp. 223-225.						
	Waszczuk, P. et al.; "A nanoparticle catalyst with superior activity for electrooxidation of formic acid", <i>Electrochemistry Communications</i> , 2002, pp. 599-603						
	Rhee, Y. et al.; "Crossover of formic acid through Nafion® membranes", <i>Journal of Power Sources</i> , 2003, pp. 35-38.						
	Pron'kin, S. et al.; "Nanoparticle of Pt hydrosol immobilized on Au support: an approach to the study of structural effects in electrocatalysis", <i>Electrochimica Acta</i> , 2001, pp. 2343-2351.						
	Rice, C. et al.; "Catalysts for direct formic acid fuel cells", <i>Journal of Power Sources</i> , 2003, pp. 229-235.						
	Rice, C. et al.; "Direct formic acid fuel cells", <i>Journal of Power Sources</i> , 2002, pp. 83-89.						
	Gasteiger, H. et al.; "Electro-Oxidation of Small Organic Molecules on Well-Characterized Pt-Ru Alloys", <i>Electrochimica Acta</i> , Vol. 39, No. 11/12, 1994, pp. 1825-1832.						
	Smith, S. et al.; "Structural effects on the oxidation of HCOOH by bismuth modified Pt(111) electrodes with (110) manatomic steps", <i>Journal of Electroanalytical Chemistry</i> , 1999, pp. 43-49.						
	Shibata, M. et al.; "Electrocatalysis by Ad-Atoms", Part XXII: <i>S_{hole}</i> Control By Ad-Atoms on HCOOH Oxidation. <i>J. Electroanal. Chem.</i> , 1988, pp. 253-264.						
	Chen, M. et al.; "Enhancement of the electrochemical oxidation of formic acid. Effects of anion absorption and variation of rotation rate", <i>Electrochimica Acta</i> , 2001, pp. 3481-3492.						
Examiner	/Monique Wills/ (01/22/2010)			Date Considered 01/22/2010			
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FOREIGN PATENT DOCUMENTS							
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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)							
	Beltowska-Brzezinska M. et al.; "The Influence of Upd-Lead on the Absorption of Formaldehyde, Formic Acid and Methanol on Pt In Acid Solution", <i>Electrochimica Acta</i> , Vol. 30, No. 11, 1985, pp. 1465-1471.						
	Xia, X.; "New insights into the influence of upd Sn on the oxidation of formic acid on platinum in acidic solution", <i>Electrochimica Acta</i> , 1999, pp. 1057-1066.						
	Xiang, J. et al.; "Investigation of the mechanism of the electrochemical oxidation of formic acid at a gold electrode in sulfuric acid solution", <i>Journal of Electroanalytical Chemistry</i> , 2001, pp. 95-100.						
	Yang, Y. et al.; "Surface modification and electrocatalytic properties of Pt(100), Pt(110), Pt(320) an Pt(331) electrodes with Sb towards HCOOH oxidation", <i>Electrochimica Acta</i> , 2001, pp. 4339-4348.						
	Sobkowski, J. et al.; "The Behaviour of Formic Acid on a Rhodium Electrode", <i>J. Electroanal. Chem.</i> , 1978, pp. 309-320.						
	Zhang, X. et al.; "Electrocatalytic Oxidation of Formic Acid on Ultrafine Palladium Particles Supported on a Glassy Carbon", <i>Electrochimica Acta</i> , Vol. 40, No. 12, 1995, pp. 1889-1897.						
	M. Watanabe, "Electrocatalysis By Ad-Atoms, Part XIII. Preparation of Ad-Electrodes with Tin Ad-Atoms for Methanol Formaldehyde and Formic Acid Fuel Cells", <i>J. Electroanal. Chem.</i> 191, December 1985, p. 367-375.						
	M. Watanabe, "Electrocatalysis By Ad-Atoms, Part XXIII. Design of Platinum Ad-Electrodes for Formic Acid Fuel Cells with Ad-Atoms of the IVth and the Vth Groups," <i>J. Electroanal. Chem.</i> 250, February 1988, p. 117-125.						
	Zhu, Y. et al.; "High power density direct formic acid fuel cells", <i>Journal of Power Sources</i> , 2004, pp. 8-14.						
Examiner	/Monique Wills/ (01/22/2010)			Date Considered 01/22/2010			
*Examiner: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.							

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	Document Number	Date	Country	Class	Subclass	Translation	
						Yes	No
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)							
	A. Wieckowski and R. I. Masel, "UHV and electrochemical studies of CO and methanol adsorbed at platinum/ruthenium surfaces, and reference to fuel cell catalysis," <i>Electrochimica Acta</i> 47, 22-23, 3637-3652 (2002).						
	N. Markovic, H. Gasteiger, P. Ross, X. Jiang, I. Villegas and M. Weaver, "Electro-oxidation mechanisms of methanol and formic acid on Pt-Ru alloy surfaces," <i>Electrochimica Acta</i> , 40, 91-98, (1995).						
	M. Arenz, V. Stamenkovic, T. J. Schmidt, K. Wandelt, P. N. Ross and N. M. Markovic, "The electro-oxidation of formic acid on Pt Pd single crystal bimetallic surfaces," <i>Physical Chemistry Chemical Physics</i> , 5, 4242, (2003).						
	N. Watanabe, K. Iwatsu, A. Yamakata, T. Ohtani, J. Kubota, J. N. Kondo, A. Wada, K. Domen and C. Hirose, "SFG study of formic acid on a Pt(110)-(1x2) surface," <i>Surf. Sci.</i> , 651, 357-358, (1996).						
	S. W. Jorgensen and R. J. Madix, "Active oxygen on Group VIII metals: activation of formic acid and formaldehyde on Pd(100)," <i>J. Am. Chem. Soc.</i> , 110, 397, (1988).						
	F. Solymosi and I. Kovacs, "Adsorption and reaction of HCOOH on K-promoted Pd(100) surfaces," <i>Surf. Sci.</i> , 259, 95, (1991).						
	C. Xu and D. W. Goodman, "Adsorption and Reaction of Formic Acid on a Pseudomorphic Palladium Monolayer on Mo(110)," <i>J. Phys. Chem.</i> , 100, 245, (1996).						
	R. R. Adzic, A.V. Tripkovic and N. M. Markovic, "Structural Effects in Electrocatalysis, Oxidation of Formic Acid and Oxygen Reduction on Single-Crystal Electrodes and the effects of Foreign Metal Adatoms," <i>Electroanal. Chem.</i> , 150 79-88, (1983).						
	Guo-Qiang Lu, Alechia Crown, and Andrzej Wieckowski, "Formic Acid Decomposition on Polycrystalline Platinum and Palladized Platinum Electrodes," <i>J. Phys. Chem. B</i> 1999, 103, pp. 9700-9711.						
	Weber, M.; Wang, J.T.; Wasmus, S; Savinell, R.F.; "Formic Acid Oxidation in a Polymer Electrolyte Fuel Cell: A Real-Time Mass-Spectrometry Study," <i>J. Electrochem. Soc.</i> , 1996, 143(7), L158-L160.						
	P. Waszczuk, J. Solla-Gullón, H.S. Kim, Y.Y. Tong, V. Montiel, A. Aldaz, and A. Wieckowski, "Methanol Electrooxidation on Platinum/Ruthenium Nanoparticle Catalysts," <i>Journal of Catalysis</i> 203, pp. 1-6 (2001).						
	Gdowski, G.E.; Fai, J.A.; Maxid, R.J.; Reactive Scattering of Small Molecules from Platinum Crystal Surfaces: D ₂ CO, CH ₃ , CH ₃ OH, HCOOH and the Nonanomalous Kinetics of Hydrogen Atom Recombination, <i>Surf. Sci.</i> , 1983, 127(3) 541-54.						
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